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10/723,061
BB1179 US DIV1
INFORMATION DISCLOSURE STATEMENT
PTO-892 FORM (1) (FROM PARENT APPLN.)
PTO/SB/08 FORM (2)
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

SAVERIO CARL FALCO ET. AL

CASE NO.: BB1179 US DIV1

CONFIRMATION NO.: 3422

EXAMINER: DELIA M. RAMIREZ

FOR: ISOLATED NUCLEIC ACIDS ENCODING METHYLENETETRAHYDROFOLATE
DEHYDROGENASE

APPLICATION NO.: 10/723,061

GROUP ART UNIT: 1652

FILED: NOVEMBER 26, 2003

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO-892 Form submitted in the parent application and also the PTO/SB/08B Form (2 pages) submitted in the instant application.

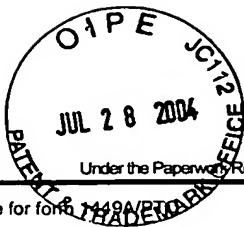
The above-referenced application is a divisional of U.S. Patent Application No. 09/903,814, filed July 12, 2001, issued as U.S. Patent 6,680,428 B2 on January 20, 2004, which in turn was a divisional of U.S. Patent Application No. 09/351,703, filed July 12, 1999, now abandoned. Benefit of the earlier filing date of U.S. Patent Application No. 09/351,703, filed July 12, 1999 is claimed under 35 U.S.C. 120 for the above-referenced application and only copies of information not previously made of record in the parent are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

EMIL M. OROZCO, JR.
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Dated: July 15, 2004
Enclosures



Substitute for form 149A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/723,061
Filing Date	November 26, 2003
First Named Inventor	SAVERIO CARL FALCO ET. AL.
Group Art Unit	1652
Examiner Name	DELIA M. RAMIREZ
Attorney Docket Number	BB1179 US DIV1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	MARY G. WEST ET AL., Cloning and Characterization of the Saccharomyces cerevisiae Gene Encoding NAD- dependent 5,10-Methylenetetrahydrofolate Dehydrogenase, J. Biol. Chem., Vol. 268(1):153-160, 1993	<input type="checkbox"/>
	2	LINDA D'ARI ET AL., Purification, Characterization, Cloning, and Amino Acid Sequence of the Bifunctional Enzyme 5,10-Methylenetetrahydrofolate Dehydrogenase/5,10-Methenyltetrahydrofolate Cyclohydrolase from Escherichia coli, J. Biol. Chem., Vol. 266(35):23953-23958, 1991	<input type="checkbox"/>
	3	WARREN GISH ET AL., Identification of protein coding regions by database similarity search, Nature Genetics, Vol. 3:266-272, 1993	<input type="checkbox"/>
	4	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 5001995, ACCESSION NO: AAD37248, 06-07-1999, D. KURTOV ET AL., The Aspergillus nidulans panB gene encoding eukaryotic ketopantoate hydroxymethyltransferase required for pantothenate and coenzyme A biosynthesis	<input type="checkbox"/>
	5	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2984098, ACCESSION NO: AAC07636, 03-25-1998, G. DECKERT ET AL., The complete genome of the hyperthermophilic bacterium Aquifex aeolicus	<input type="checkbox"/>
	6	GERARD DECKERT ET AL., The complete genome of the hyperthermophilic bacterium Aquifex aeolicus, Nature, Vol. 392:353-358, 1998	<input type="checkbox"/>
	7	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2500006, ACCESSION NO: Q46339, 07-15-1999, L.J. CHLUMSKY ET AL., Sequence analysis of sarcosine oxidase and nearby genes reveals homologies with key enzymes of folate one-carbon metabolism	<input type="checkbox"/>
	8	LAWRENCE J. CHLUMSKY ET AL., Sequence analysis of sarcosine oxidase and nearby genes reveals homologies with key enzymes of folate one-carbon metabolism, J. Biol. Chem., Vol. 270(31):18252-18259, 1995	<input type="checkbox"/>
	9	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1706872, ACCESSION NO: P53603, 02-15-2000, L. L. MURLEY ET AL., The nucleotide sequence of porcine formiminotransferase cyclodeaminase. Expression and purification from Escherichia coli	<input type="checkbox"/>
	10	LAURA LEA MURLEY ET AL., The nucleotide sequence of porcine formiminotransferase cyclodeaminase. Expression and purification from Escherichia coli, J. Biol. Chem., Vol. 268(30):22820-22824, 1993	<input type="checkbox"/>
	11	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4103987, ACCESSION NO: AAD01907, 01-05-1999, L. CHEN ET AL., A cDNA sequence encoding pea leaf cytosolic bifunctional dehydrogenase-5,10-methenyltetrahydrofolate cyclohydrolase	<input type="checkbox"/>

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
Application Number		10/723,061	
Filing Date		November 26, 2003	
First Named Inventor		SAVERIO CARL FALCO ET. AL.	
Group Art Unit		1652	
Examiner Name		DELIA M. RAMIREZ	
Attorney Docket Number		BB1179 US DIV1	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	12	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1685109, ACCESSION NO: U58210, 11-28-1996, F. STINGELE ET AL., Disruption of the gene encoding penicillin-binding protein 2b (pbp2b) causes altered cell morphology and cease in exopolysaccharide production in Streptococcus thermophilus Sfi6	<input type="checkbox"/>
	13	FRANCESCA STINGELE ET AL., Disruption of the gene encoding penicillin-binding protein 2b (pbp2b) causes altered cell morphology and cease in exopolysaccharide production in Streptococcus thermophilus Sfi6, Mol. Microbiology, Vol. 22(2):357-366, 1996	<input type="checkbox"/>
	14	PETER L. NAGY ET AL., Formyltetrahydrofolate Hydrolase, a Regulatory Enzyme That Functions to Balance Pools of Tetrahydrofolate and One-Carbon Tetrahydrofolate Adducts in Escherichia coli, J. Bacteriology, Vol. 177(5):1292-1298, 1995	<input type="checkbox"/>
	15	KAREN W. SHANNON ET AL., Isolation and Characterization of the Saccharomyces cerevisiae MIS1 Gene Encoding Mitochondrial C1-Tetrahydrofolate Synthase, J. Biol. Chem., Vol. 263(16):7717-7725, 1988	<input type="checkbox"/>
	16	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2245073, ACCESSION NO: Z97343, 08-27-1999, M. BEVAN ET AL., Arabidopsis thaliana DNA chromosome 4, ESSA I FCA contig fragment No. 8	<input type="checkbox"/>
	17	MARC ALLAIRE ET AL., The 3-D structure of a folate-dependent dehydrogenase/cyclohydrolase bifunctional enzyme at 1.5 A resolution, Structure 6(2):173-182, 1998	<input type="checkbox"/>
	18	SWISS INSTITUTE OF BIOINFORMATICS PROSITE ACCESSION NO. PDOC00616, July 1998, K. W. Shannon et al., Isolation and Characterization of the Saccharomyces cerevisiae MIS1 Gene Encoding Mitochondrial C1-Tetrahydrofolate Synthase	<input type="checkbox"/>
			<input type="checkbox"/>
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Examiner Signature		Date Considered	
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Notice of References Cited

Application/Control No.

09/903,814

Applicant(s)/Patent Under
Reexamination
FALCO ET AL.

Examiner

Delia M. Ramirez

Art Unit

1652

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
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	Q					
	R					
	S					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Broun et al. , Science 282:1315-1317, 1998.
	V	Van de Loo et al. , Proc. Natl. Acad. Sci. 92:6743-6747, 1995.
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